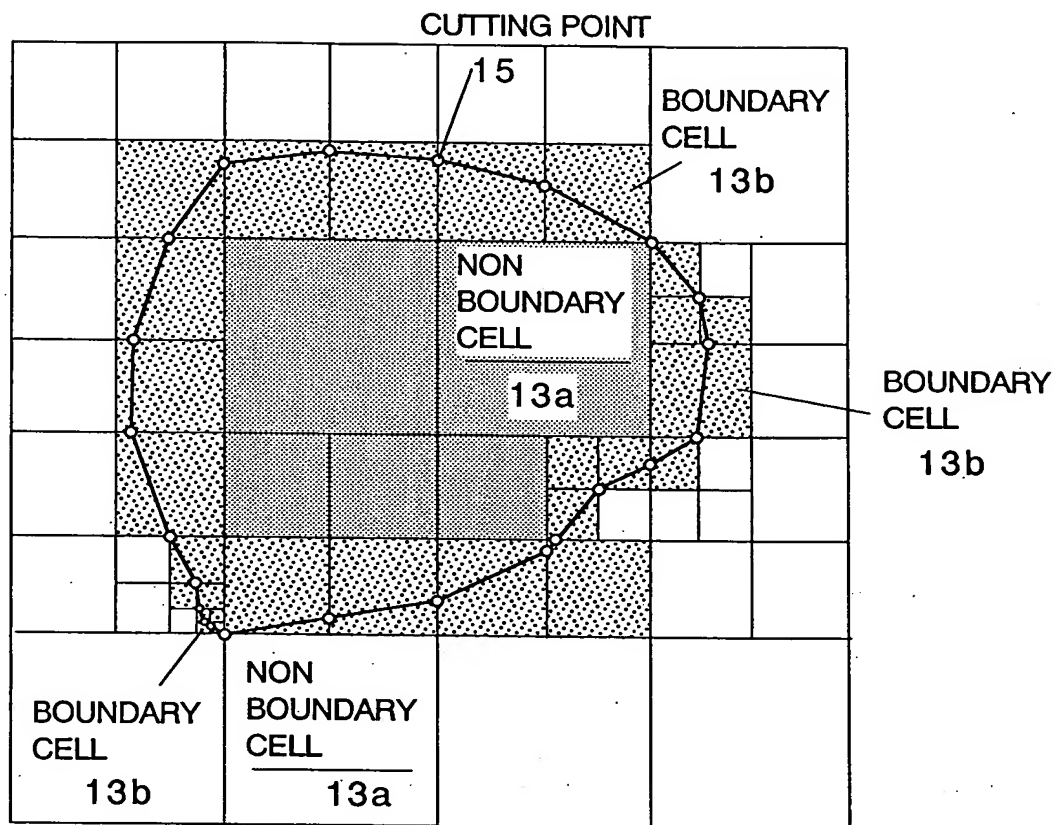
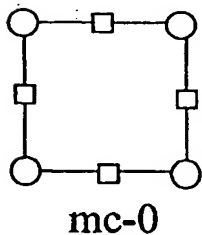
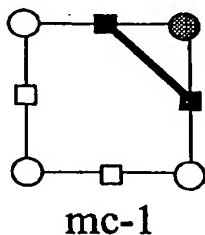
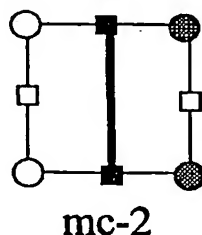
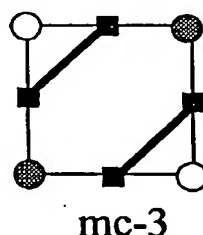
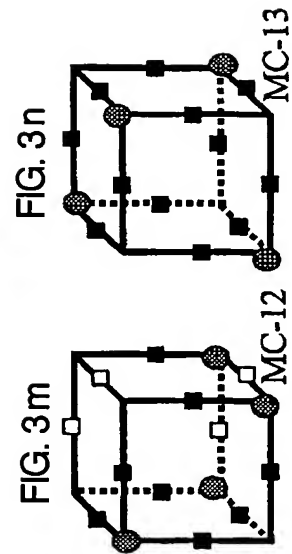
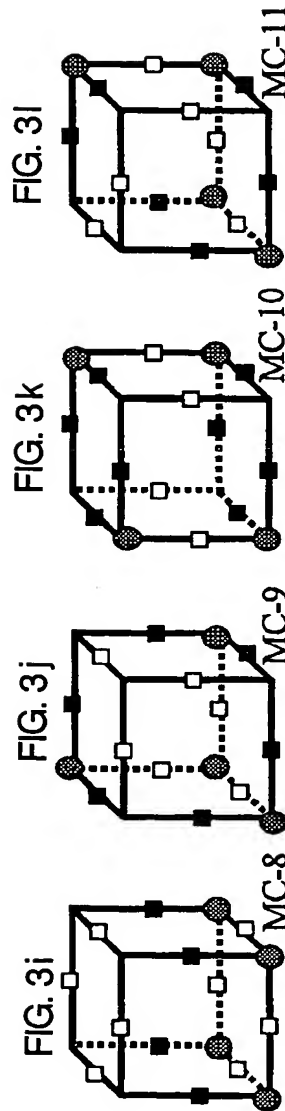
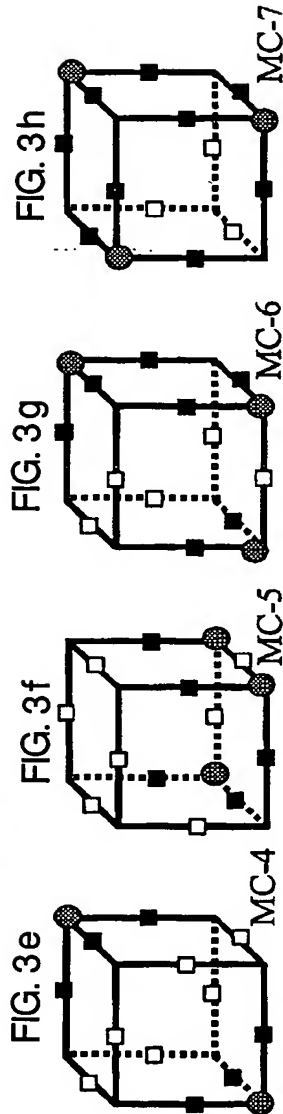
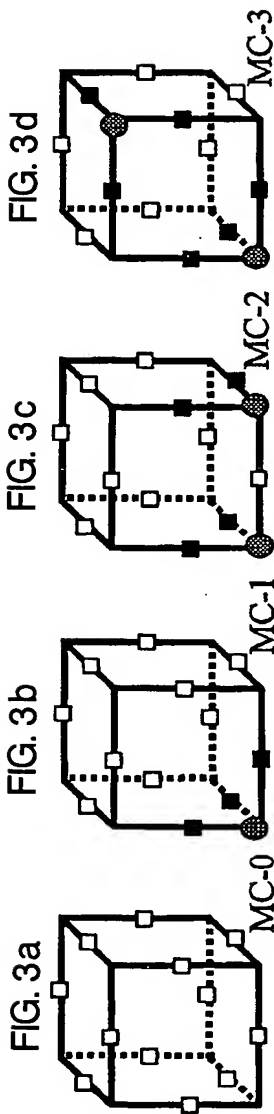


FIG. 1

FIG. 2a
PRIOR ARTFIG. 2b
PRIOR ARTFIG. 2c
PRIOR ARTFIG. 2d
PRIOR ART



PRIOR ART

FIG. 4a

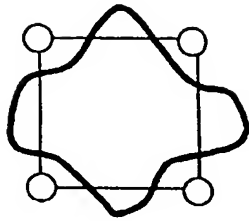


FIG. 4b

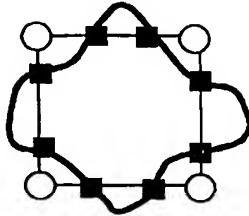


FIG. 4c

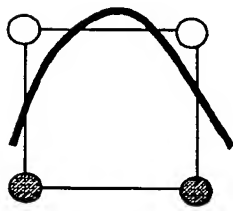
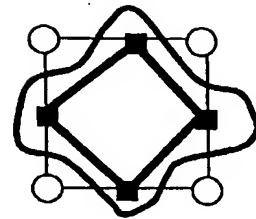


FIG. 4d

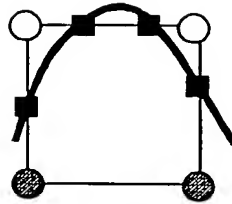


FIG. 4e

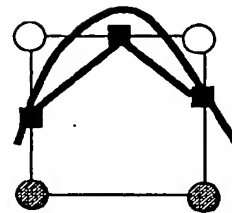


FIG. 4f
2D-KTC

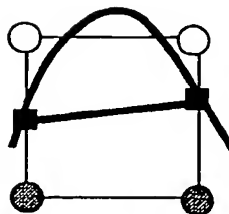
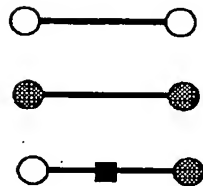


FIG. 4g
2D-MC

FIG. 5a
PRIOR ART

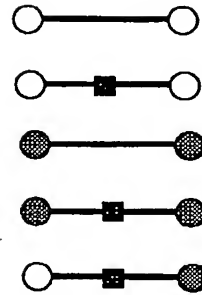


(MC)

NARROW-SENSE

CONDITION THAT NUMBER
OF CUTTING POINTS ON
ONE EDGE IS AT MOST ONE

FIG. 5b



(KTC)

BROAD-SENSE

CONDITION THAT NUMBER
OF CUTTING POINTS ON
ONE EDGE IS AT MOST ONE

FIG. 6

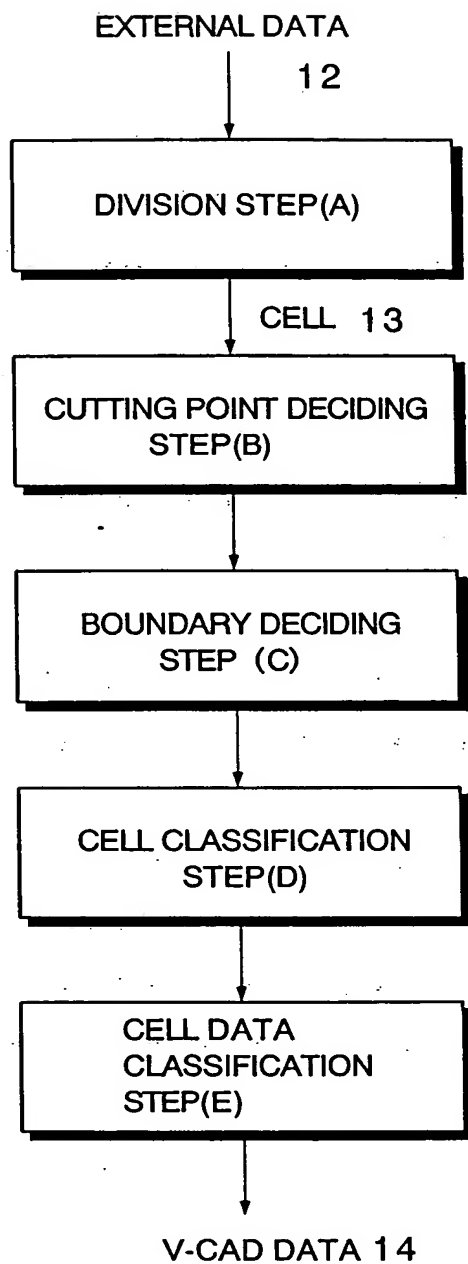


FIG. 7a

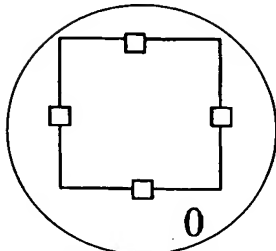


FIG. 7b

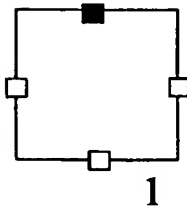


FIG. 7c

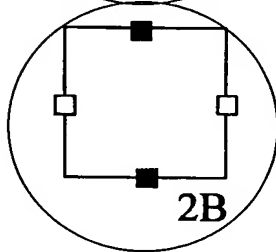
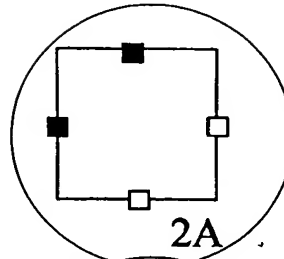


FIG. 7d

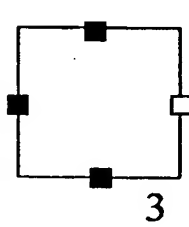


FIG. 7e

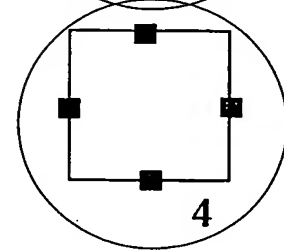


FIG. 7f

0

1

2A

2B

3

4

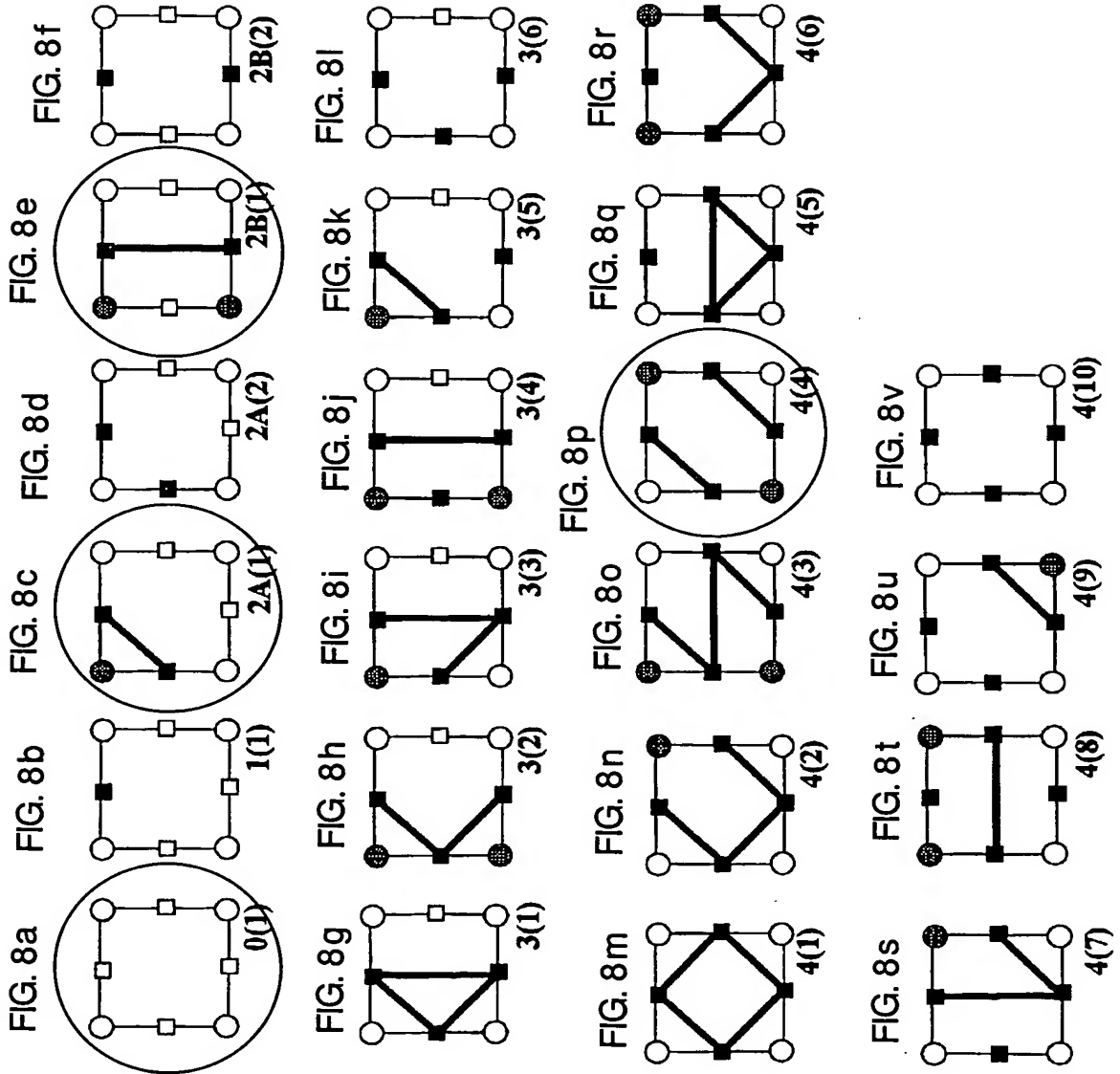
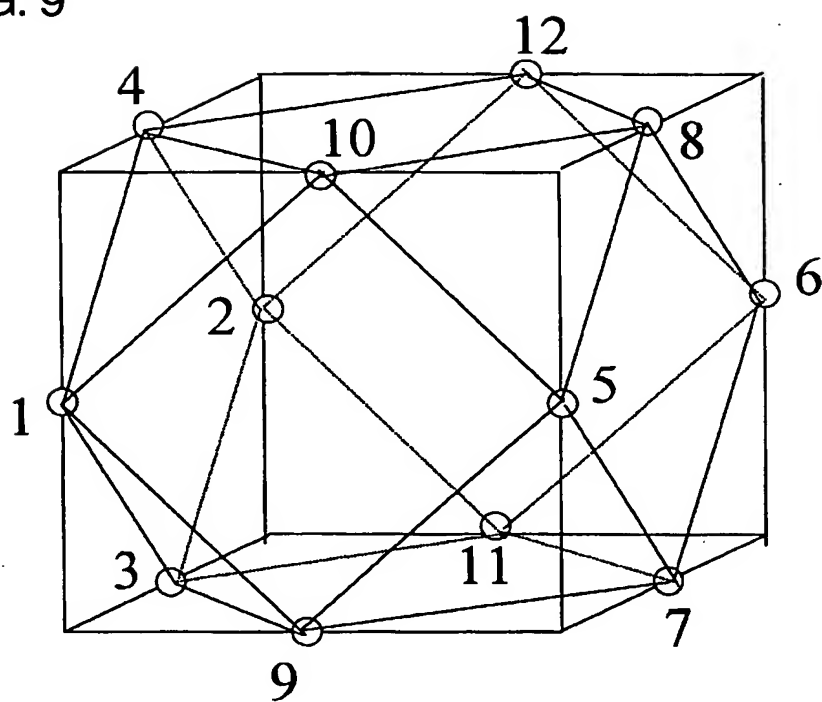
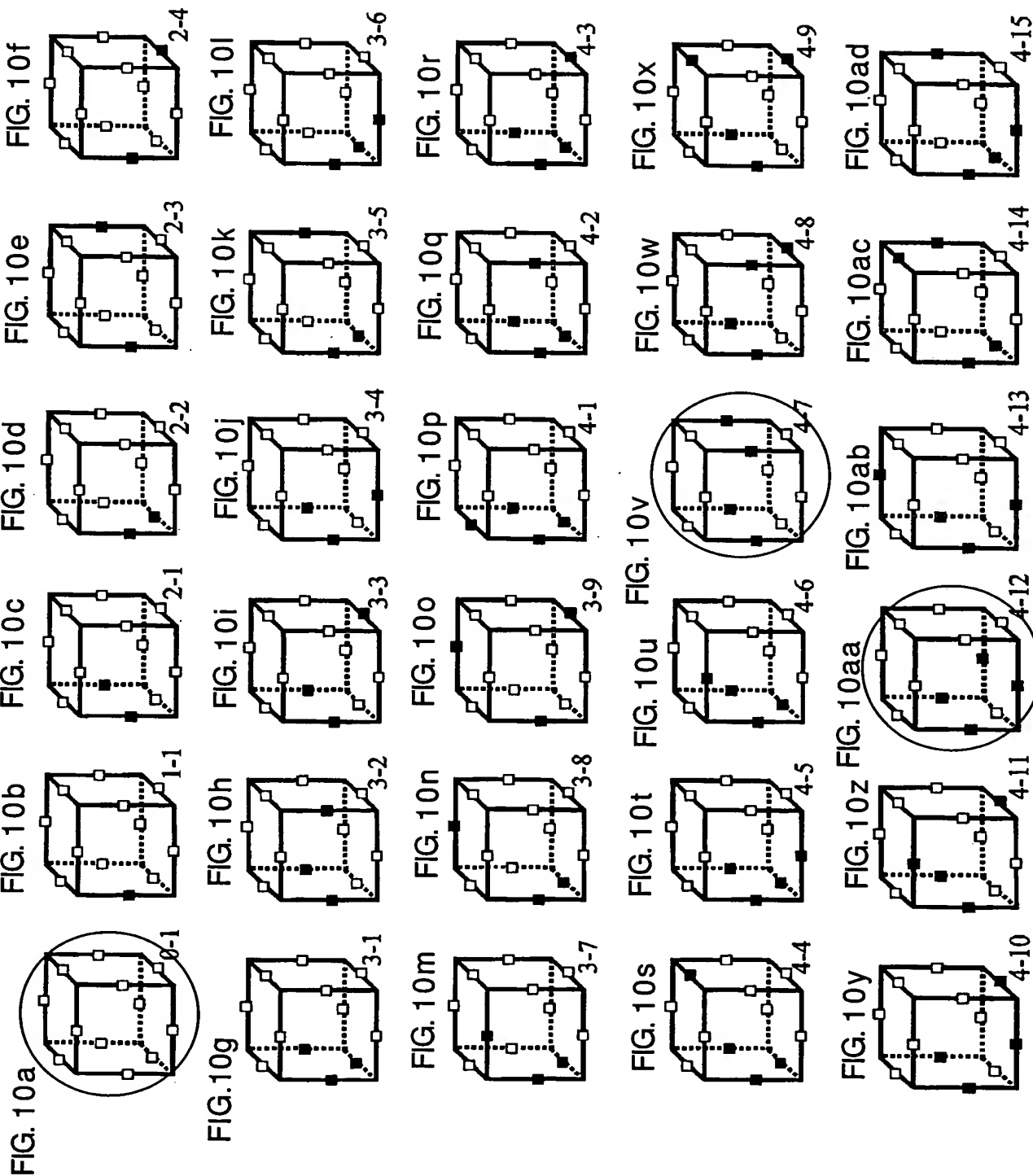
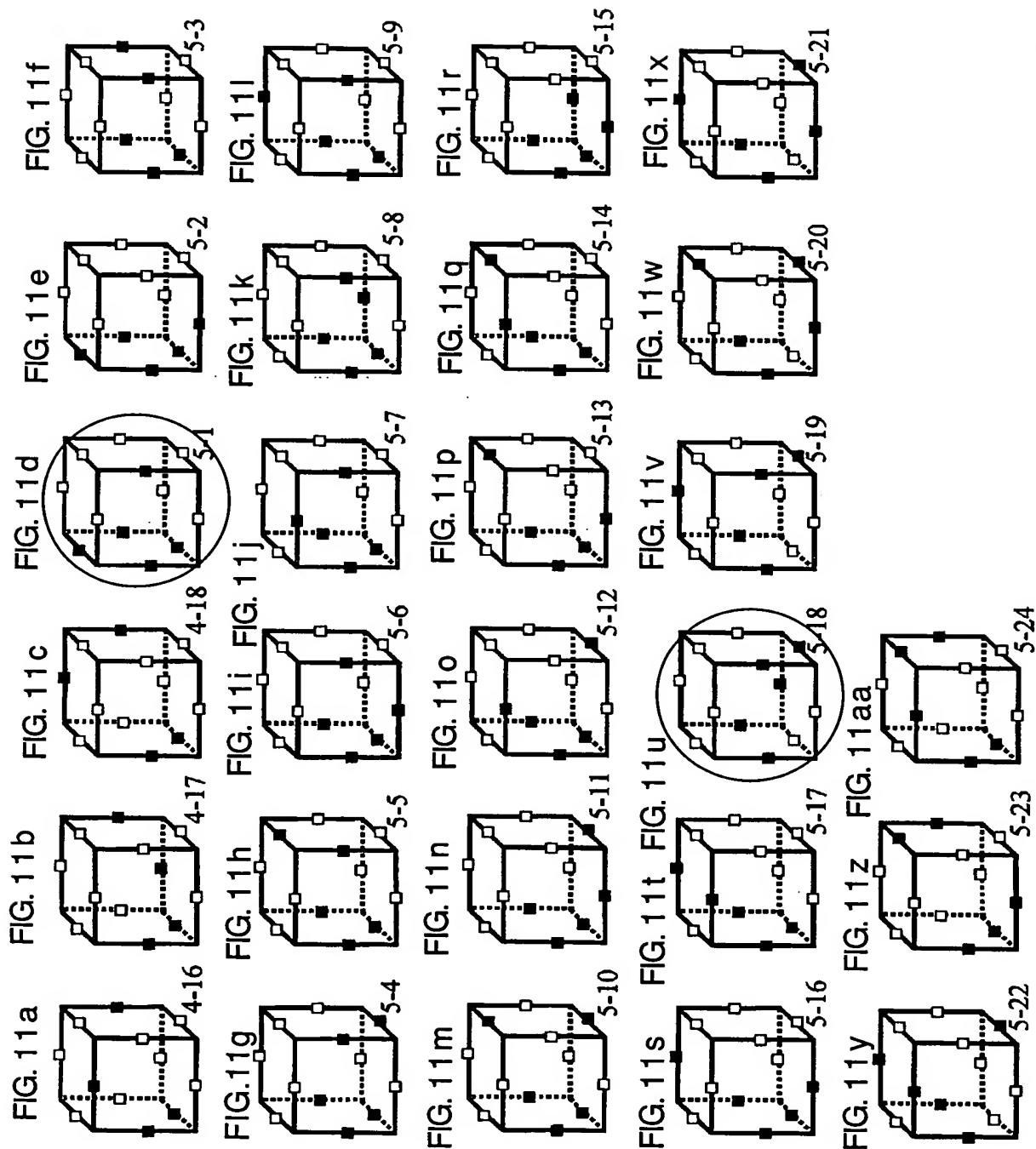


FIG. 9







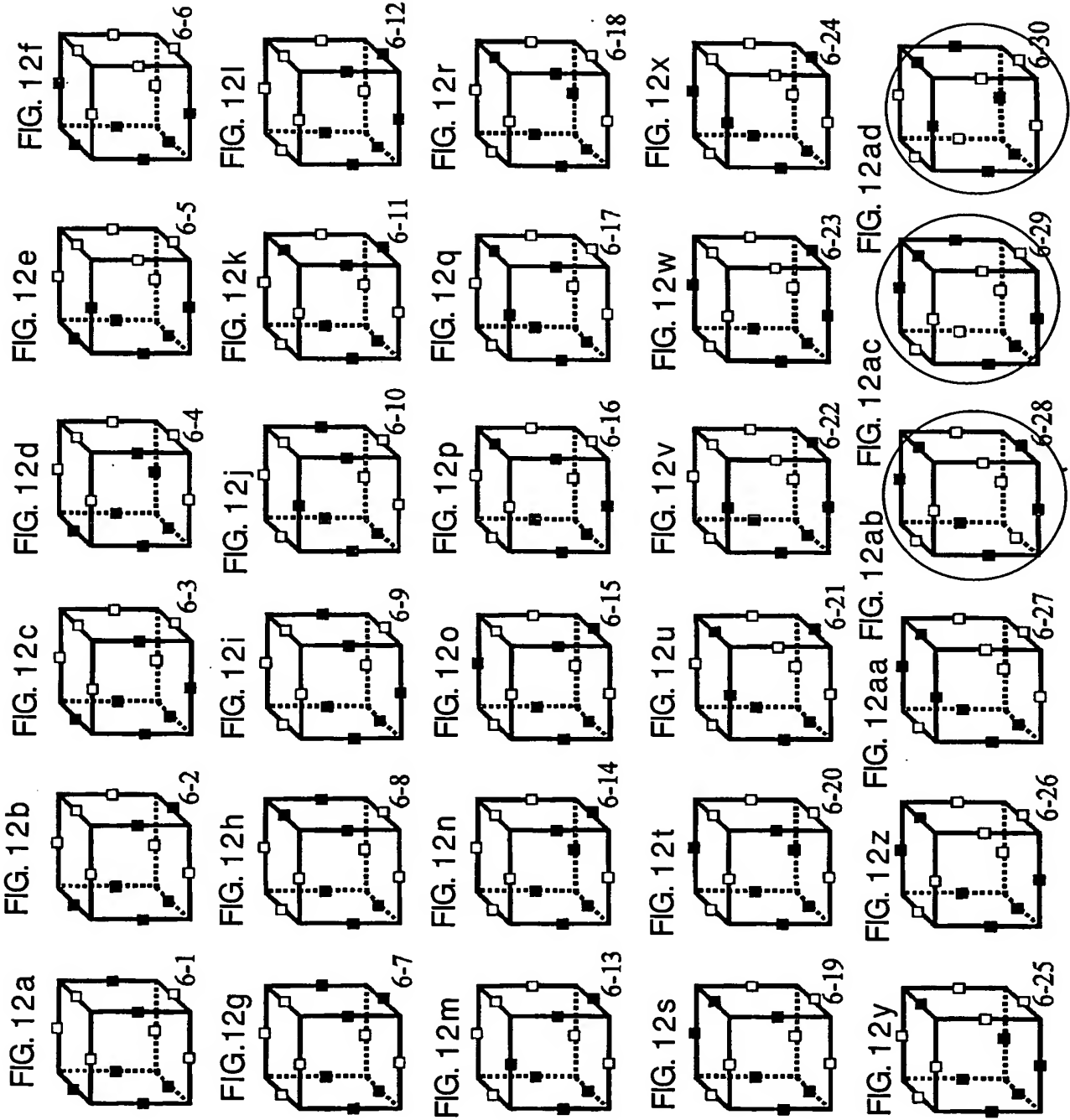


FIG. 13

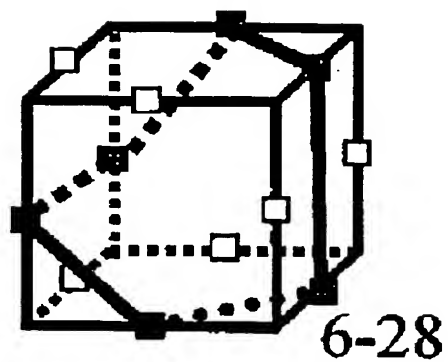


FIG. 14

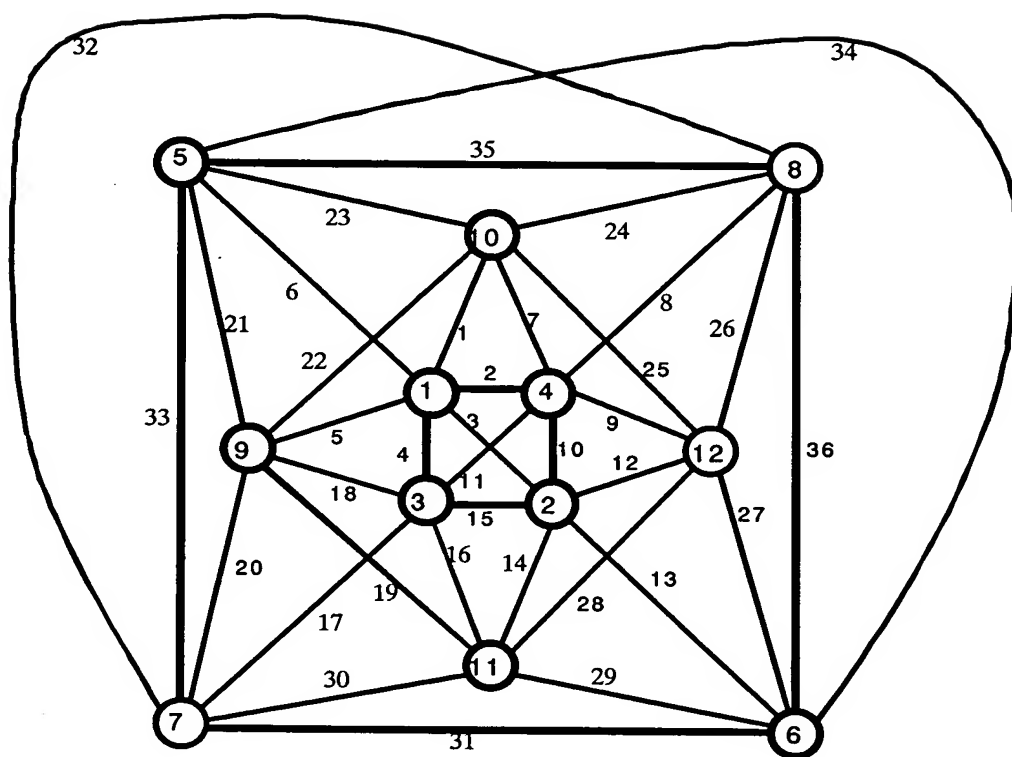


FIG. 15

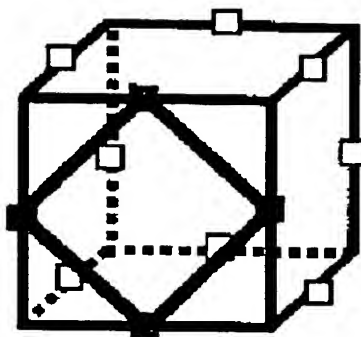


FIG. 16a

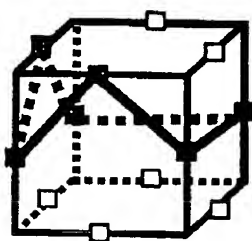


FIG. 16b

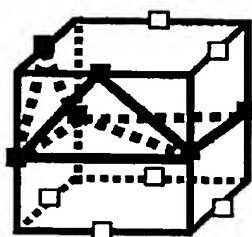


FIG. 16c

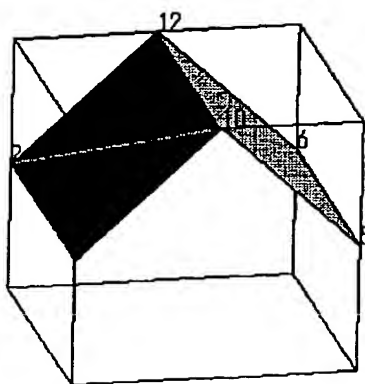
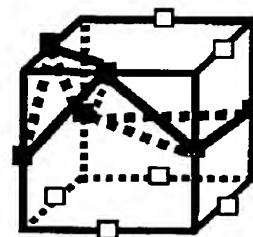


FIG. 16d

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FIG. 17

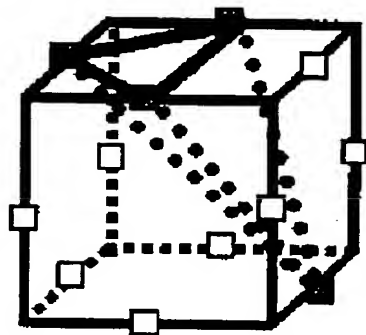


FIG. 18a

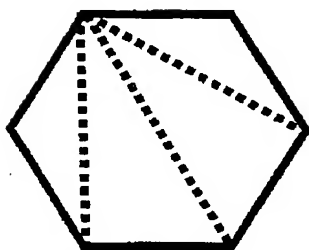


FIG. 18b

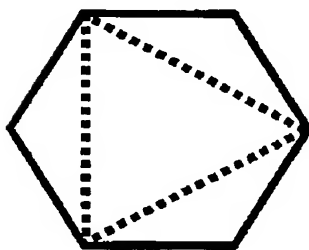


FIG. 18c

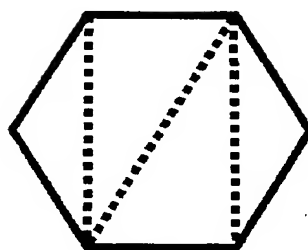


FIG. 19a

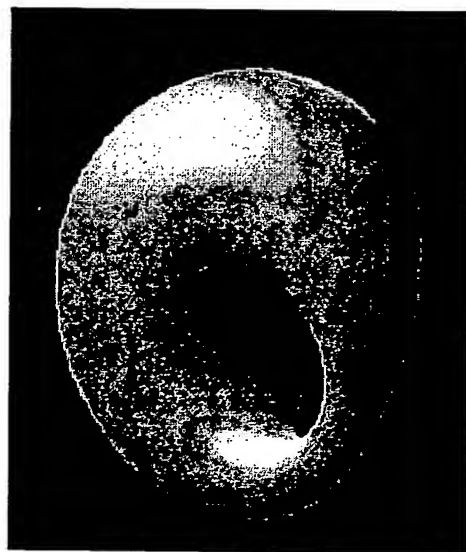


FIG. 19b

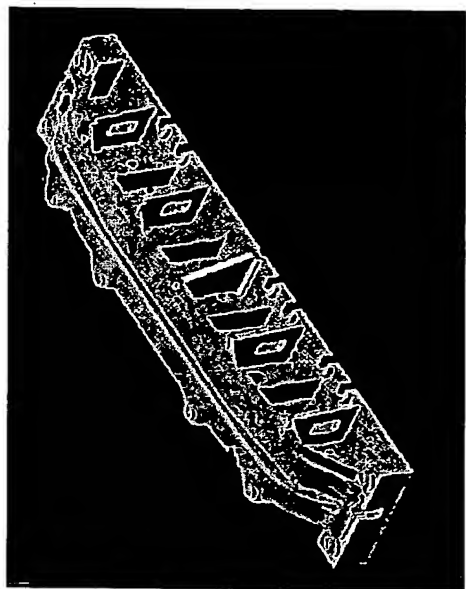


FIG. 19c

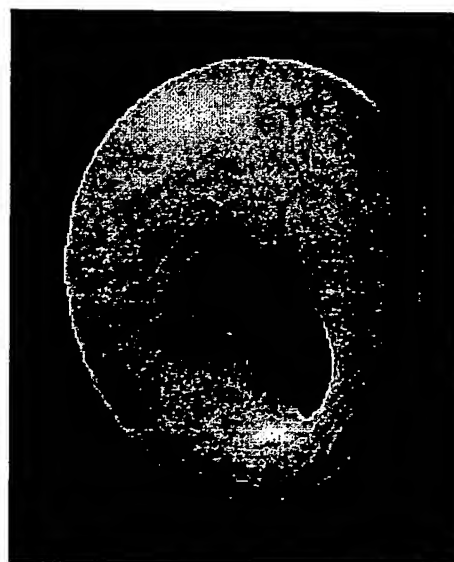
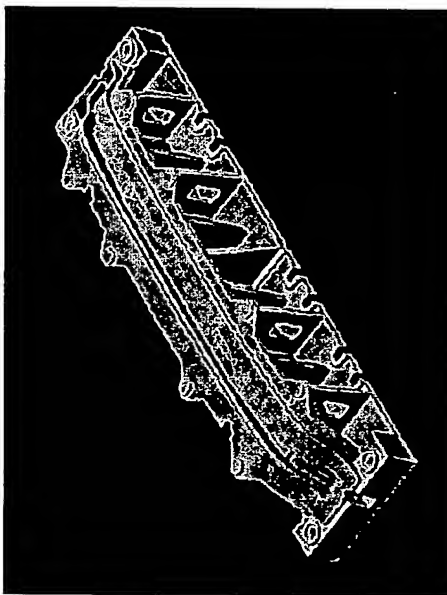


FIG. 19d



Reconstruction using partitions of the closed loop type.

B-rep data: (a) A cyclide surface, (b) A die from TSUBAMEX.

Reconstructions with partitions inside (c) 64*64*64 cells and (d) 512*512*512 cells.

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